

RAW SEQUENCE LISTING

**The Biotechnology Systems Branch of the Scientific and Technical
Information Center (STIC) no errors detected.**

Application Serial Number: 09/760,897A
Source: 1FW16
Date Processed by STIC: 12/9/04

ENTERED



IFW16

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/760,897A

DATE: 12/09/2004

TIME: 14:48:18

Input Set : A:\Atx7nrce.app

Output Set: N:\CRF4\12092004\I760897A.raw

3 <110> APPLICANT: HARRINGTON, JOHN J.
 4 SHERF, BRUCE
 5 RUNDLETT, STEPHEN
 7 <120> TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR NON-TARGETED ACTIVATION OF
 8 ENDOGENOUS GENES
 10 <130> FILE REFERENCE: ATX7CP4D15CNRCE
 12 <140> CURRENT APPLICATION NUMBER: 09/760,897A
 13 <141> CURRENT FILING DATE: 2001-01-17
 15 <150> PRIOR APPLICATION NUMBER: 09/515,124
 16 <151> PRIOR FILING DATE: 2000-02-27
 18 <150> PRIOR APPLICATION NUMBER: 09/276,820
 19 <151> PRIOR FILING DATE: 1999-03-26
 21 <150> PRIOR APPLICATION NUMBER: 09/263,814
 22 <151> PRIOR FILING DATE: 1999-03-08
 24 <150> PRIOR APPLICATION NUMBER: 09/253,022
 25 <151> PRIOR FILING DATE: 1999-02-19
 27 <150> PRIOR APPLICATION NUMBER: 09/159,643
 28 <151> PRIOR FILING DATE: 1998-09-24
 30 <150> PRIOR APPLICATION NUMBER: 08/941,223
 31 <151> PRIOR FILING DATE: 1997-09-26
 33 <160> NUMBER OF SEQ ID NOS: 33
 35 <170> SOFTWARE: PatentIn Ver. 2.1
 37 <210> SEQ ID NO: 1
 38 <211> LENGTH: 39
 39 <212> TYPE: DNA
 40 <213> ORGANISM: Homo sapiens
 42 <400> SEQUENCE: 1
 43 tccttcgaag cttgtcatgg ttggttcgct aaactgcat 39
 46 <210> SEQ ID NO: 2
 47 <211> LENGTH: 40
 48 <212> TYPE: DNA
 49 <213> ORGANISM: Homo sapiens
 51 <400> SEQUENCE: 2
 52 aaacttaaga tcgattaatc attcttctca tataacttcaa 40
 55 <210> SEQ ID NO: 3
 56 <211> LENGTH: 28
 57 <212> TYPE: DNA
 58 <213> ORGANISM: Homo sapiens
 60 <400> SEQUENCE: 3
 61 atccaccatg gctacaggtg agtactcg 28
 64 <210> SEQ ID NO: 4
 65 <211> LENGTH: 36
 66 <212> TYPE: DNA

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/760,897A

DATE: 12/09/2004

TIME: 14:48:18

Input Set : A:\Atx7nrce.app

Output Set: N:\CRF4\12092004\I760897A.raw

```

67 <213> ORGANISM: Homo sapiens
69 <400> SEQUENCE: 4
70 gatccgagta ctcacctgta gccatggtgg atttaa          36
73 <210> SEQ ID NO: 5
74 <211> LENGTH: 33
75 <212> TYPE: DNA
76 <213> ORGANISM: Homo sapiens
78 <400> SEQUENCE: 5
79 ggcgagatct agcgctatat gcgttgatgc aat          33
82 <210> SEQ ID NO: 6
83 <211> LENGTH: 51
84 <212> TYPE: DNA
85 <213> ORGANISM: Homo sapiens
87 <400> SEQUENCE: 6
88 ggccagatct gctaccttaa gagagccgaa acaagcgctc atgagcccg a          51
91 <210> SEQ ID NO: 7
92 <211> LENGTH: 6084
93 <212> TYPE: DNA
94 <213> ORGANISM: Homo sapiens
96 <400> SEQUENCE: 7
97 agatcttcaa tattggccat tagccatatt attcattggt tatatagcat aaatcaatat 60
98 tggctatttg ccattgcata cggtgtatct atatcataat atgtacattt atattggctc 120
99 atgtccaata tgaccgccat gttggcattg attattgact agttattaat agtaatcaat 180
100 tacgggggtca ttagttcata gcccatatat ggagttccgc gttacataac ttacggtaaa 240
101 tggcccgccct ggctgaccgc ccaacgaccc ccgcccattg acgtcaataa tgacgtatgt 300
102 tcccatagta acgccaatag ggaactttcca ttgacgtcaa tgggtggagt atttacggta 360
103 aactgcccac ttggcagtac atcaagtgt tcatatgcc agtccgcccc ctattgacgt 420
104 caatgacggg aaatggcccg cctggcatta tgcccagtac atgaccttac gggactttcc 480
105 tacttggcag tacatctacg tattagtcac cgctattacc atggtgatgc ggttttggca 540
106 gtacaccaat gggcggtggat agcgggttga ctcacgggga tttccaagtc tccaccccat 600
107 tgacgtcaat gggagtttgt tttggcacca aaatcaacgg gactttccaa aatgtcgtaa 660
108 caactgcat cgcccgcccc gttgacgcaa atggcggtga ggcgtgtacg gtgggaggtc 720
109 tatataagca gagctcgttt agtgaaccgt cagatcacta gaagctttat tgcggtagtt 780
110 tatcacagtt aaattgctaa cgcagtcagt gcttctgaca caacagtcct gaacttaagc 840
111 tgcagtgact ctcttaatta actccaccag tctcacttca gttccttttg cctccaccag 900
112 tctcacttca gttccttttg catgaagagc tcagaatcaa aagaggaaac caaccctaa 960
113 gatgagcttt ccatgtaaat ttgtagccag cttccttctg attttcaatg tttcttccaa 1020
114 aggtgcagtc tccaaagaga ttacgaatgc cttggaaacc tggggtgcct tgggtcagga 1080
115 catcaacttg gacattccta gttttcaaat gagtgatgat attgacgata taaaatggga 1140
116 aaaaacttca gacaagaaaa agattgcaca attcagaaaa gagaaagaga ctttcaagga 1200
117 aaaagataca tataagctat ttaaaaatgg aactctgaaa attaagcatc tgaagaccga 1260
118 tgatcaggat atctacaagg tatcaatata tgatacaaaa ggaaaaaatg tgttggaaaa 1320
119 aatatttgat ttgaagattc aagagagggt ctcaaaacca aagatctcct ggacttgtat 1380
120 caacacaacc ctgacctgtg aggtaatgaa tggaaactgac cccgaattaa acctgtatca 1440
121 agatgggaaa catctaaaac tttctcagag ggtcatcaca cacaagtgga ccaccagcct 1500
122 gagtgcacaaa ttcaagtgc cagcagggaa caaagtcagc aaggaatcca gtgtcgagcc 1560
123 tgtcagctgt ccagagaaag ggatccaggt gagtagggcc cgatccttct agagtcgagc 1620
124 tctcttaagg tagcaagggtt acaagacagg tttaaggaga ccaatagaaa ctgggcttgt 1680
125 cgagacagag aagactcttg cgtttctgat aggcacctat tggctttacg cggcccgcaa 1740

```

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/760,897A

DATE: 12/09/2004

TIME: 14:48:18

Input Set : A:\Atx7nrce.app

Output Set : N:\CRF4\12092004\I760897A.raw

```

126 ttccaagctt gagtattcta tcgtgtcacc taaataaactt ggcgtaatca tgggtcatatc 1800
127 tgttttcctgt gtgaaattgt tatccgctca caattccaca caacatacga gccggaagca 1860
128 taaagtgtaa agcctggggg gcctaattgag tgagctaact cacattaatt gcgttgcgcg 1920
129 atgcttccat tttgtgaggg ttaatgcttc gagaagacat gataagatac attgatgagt 1980
130 ttggacaaac cacaacaaga atgcagtga aaaaatgctt tatttgtgaa atttgtgatg 2040
131 ctattgcttt atttgaacc attataagct gcaataaaca agttaacaac aacaattgca 2100
132 ttcattttat gtttcaggtt cagggggaga tgtgggaggt tttttaagc aagtaaaacc 2160
133 tctacaaatg tggtaaaatc cgataaggat cgattccgga gcctgaatgg cgaatggacg 2220
134 cgccctgtag cggcgcatc agcgcggcgg gtgtgggtgt tacgcgcacg tgaccgctac 2280
135 acttgccagc gccctagcgc ccgctccttt cgctttcttc ccttcctttc tcgccacggt 2340
136 cgccggcttt ccccgtaag ctctaaatcg ggggctccct ttaggggtcc gatttagtgc 2400
137 tttacggcac ctcgacccca aaaaacttga ttaggggtgat gggtcacgta gtgggccatc 2460
138 gccctgatag acggtttttc gccctttgac gttggagtcc acggtcttta atagtggact 2520
139 ctgttccaa actggaacaa cactcaaccc tatctcggtc tattcttttg atttataagg 2580
140 gattttgccg atttcggcct attggttaaa aaatgagctg atttaacaaa aatttaacgc 2640
141 gaattttaac aaaatattaa cgcttacaat ttcgcctgtg taccttctga ggcggaaaga 2700
142 accagctgtg gaatgtgtgt cagttagggg gtggaaagtc ccagggctcc ccagcaggca 2760
143 gaagtatgca aagcatgcat ctcaattagt cagcaaccag gtgtggaaag tccccaggct 2820
144 ccccgacagg cagaagtatg caaagcatgc atctcaatta gtcagcaacc atagtccgcg 2880
145 ccctaactcc gcccatccc cccctaactc cgcccagttc cgcccattct ccgccccatg 2940
146 gctgactaat tttttttatt tatgcagagg ccgaggccgc ctcgccctct gagctattcc 3000
147 agaagtagtg aggaggcttt tttggaggcc taggcttttg caaaaagctt gattctttctg 3060
148 acacaacagt ctggaactta aggctagagc caccatgatt gaacaagatg gattgcacgc 3120
149 aggttctccg gccgcttggg tggagaggct attcggctat gactgggcac aacagacaat 3180
150 cggtctctct gatgcgcgcg tgttcgggt gtcagcgcag gggcgcccg tttttttgt 3240
151 caagaccgac ctgtccggtg ccctgaatga actgcaggac gaggcagcgc ggctatcgtg 3300
152 gctggccacg acgggcgttc cttgcgcagc tgtgctcgac gttgtcactg aagcgggaag 3360
153 ggactggctg ctattgggag aagtgcgggg gcaggatctc ctgtcatctc accttgctcc 3420
154 tgccgagaaa gtatccatca tggctgatgc aatgcggcgg ctgcatacgc ttgatccggc 3480
155 tacctgccc aatcgaccac aagcgaacaa tcgcatcgag cgagcacgta ctcggtatga 3540
156 agccggtctt gtcgatcagg atgatctgga cgaagagcat caggggctcg cgccagccga 3600
157 actgttcgcc aggtcgaagg cgcgcagtc cgacggcgag gatctcgtcg tgacctatgg 3660
158 cgatgcctgc ttgccgaata tcatggtgga aaatggccgc ttttctggat tcctcgactg 3720
159 tggccggctg ggtgtggcgg accgctatca ggacatagcg ttggctaccc gtgatattgc 3780
160 tgaagagctt ggcggcgaat gggctgaccg ctctcctgtg ctttacggta tcgccgctcc 3840
161 cgattcgcag cgcacgcct tctatgcct tcttgacgag ttcttctgag cgggactctg 3900
162 gggttcgaaa tgaccgacca agcagcggc aacctgccat cacgatggcc gcaataaaat 3960
163 atctttatct tcattacatc tgtgtgttgg ttttttgtgt gaagatccgc gtatgggtgca 4020
164 ctctcagtag aatctgctct gatgccgcat agttaagcca gccccgacac ccgccaacac 4080
165 ccgctgacgc gccctgacgg gcttgtctgc tcccggcatc cgcttacaga caagctgtga 4140
166 ccgtctccgg gagctgcatg tgtcagaggt tttcaccgtc atcaccgaaa cgcgcgagac 4200
167 gaaagggcct cgtgatacgc ctatttttat aggttaaatgt catgataata atggttttct 4260
168 agacgtcagg tggcactttt cggggaaatg tgcgcggaac ccctatttgt ttattttct 4320
169 aaatacattc aaatatgtat ccgctcatga gacaataacc ctgataaatg cttcaataat 4380
170 attgaaaaag gaagagtatg agtattcaac atttcctgtg cgcccttatt cccttttttg 4440
171 cggcattttg ccttcctgtt tttgtcacc cagaaacgct ggtgaaagta aaagatgctg 4500
172 aagatcagtt ggggtgcacga gtgggttaca tcgaactgga tctcaacagc ggtaagatcc 4560
173 ttgagagttt tcgccccgaa gaacgttttc caatgatgag cacttttaaa gttctgctat 4620
174 gtggcgcggt attatcccg attgacggcg ggcaagagca actcggtcgc cgcatacact 4680

```

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/760,897A

DATE: 12/09/2004

TIME: 14:48:18

Input Set : A:\Atx7nrce.app

Output Set: N:\CRF4\12092004\I760897A.raw

```

175 attctcagaa tgacttgggt gagtactcac cagtcacaga aaagcatctt acggatggca 4740
176 tgacagtaag agaattatgc agtgctgcc aaccatgag tgataaact gcggccaact 4800
177 tactttctgac aacgatcgga ggaccgaagg agctaaccgc ttttttgac aacatggggg 4860
178 atcatgtaac tcgccttgat cgttgggaac cggagctgaa tgaagccata ccaaacgacg 4920
179 agcgtgacac cagcatgcct gtagcaatgg caacaacgtt gcgcaaaact ttaactggcg 4980
180 aactacttac tctagcttcc cggcaacaat taatagactg gatggaggcg gataaagtgt 5040
181 caggaccact tctgcgctcg gcccttccgg ctggctgggt tattgctgat aaatctggag 5100
182 ccggtgagcg tgggtctcgc ggtatcattg cagcactggg gccagatggt aagccctccc 5160
183 gtatcgtagt tatctacacg acggggagtc aggcaactat ggatgaacga aatagacaga 5220
184 tcgctgagat aggtgcctca ctgattaagc attggtaact gtcagaccaa gtttactcat 5280
185 atatacttta gattgattta aaacttcatt tttaatttaa aaggatctag gtgaagatcc 5340
186 tttttgataa tctcatgacc aaaatccctt aacgtgagtt ttcgttccac tgagcgtcag 5400
187 acccctaga aaagatcaaa ggatcttctt gagatccttt ttttctgctg gtaatctgct 5460
188 gcttgcaaac aaaaaacca ccgctaccag cgggtggttg tttgccggat caagagctac 5520
189 caactctttt tccgaaggta actggcttca gcagagcgca gataccaaat actgtccttc 5580
190 tagtgtagcc gtagttaggc caccacttca agaactctgt agcaccgcct acatacctcg 5640
191 ctctgctaact cctgttacca gtggctgctg ccagtggcga taagtctgtt cttaccgggt 5700
192 tggactcaag acgatatgta ccggataagg cgcagcggtc gggctgaacg ggggggttctg 5760
193 gcacacagcc cagcttggag cgaacgacct acaccgaact gagataccta cagcgtgagc 5820
194 tatgagaaag cgccacgctt ccgaaggga gaaaggcgga caggatcccg gtaagcggca 5880
195 gggtcggaac aggagagcgc acgagggagc ttccaggggg aaacgcctgg tatctttata 5940
196 gtccctgctcg gtttcgccac ctctgacttg agcgtcgatt tttgtgatgc tcgtcagggg 6000
197 ggcggagcct atggaaaaac gccagcaacg cggccttttt acggttcctg gccttttctg 6060
198 ggccttttgc tcacatggct cgac
6084
201 <210> SEQ ID NO: 8
202 <211> LENGTH: 6085
203 <212> TYPE: DNA
204 <213> ORGANISM: Homo sapiens
206 <400> SEQUENCE: 8
207 agatcttcaa tattggccat tagccatatt attcattggt tatatagcat aaatcaatat 60
208 tggctatttg ccattgcata cgttgtatct atatcataat atgtacattt atattggctc 120
209 atgtccaata tgaccgccat gttggcattg attattgact agttattaat agtaatcaat 180
210 tacgggggtca ttagttcata gcccatatat ggagttccgc gttacataac ttacggtaaa 240
211 tggcccgcct ggctgaccgc ccaacgaccc ccgccattg acgtcaataa tgacgtatgt 300
212 tcccatagta acgccaatag ggactttcca ttgacgtcaa tgggtggagt atttacggtg 360
213 aactgccac ttggcagtag atcaagtgtg tcatatgcca agtccgcccc ctattgacgt 420
214 caatgacggt aaatggcccg cctggcatta tgcccagtag atgaccttac gggactttcc 480
215 tacttggcag tacatctacg tattagtcac cgtattacc atggtgatgc ggttttggca 540
216 gtacaccaat gggcgtggat agcggtttga ctcacgggga tttccaagtc tccaccccat 600
217 tgacgtcaat gggagtttgt tttggcacca aaatcaacgg gactttccaa aatgtcgtaa 660
218 caactgcgat cgcccgcccc gttgacgcaa atgggcggta ggcgtgtacg gtgggaggtc 720
219 tatataagca gagctcggtt agtgaaccgt cagatcacta gaagctttat tgcggtagtt 780
220 tatcacagtt aaattgctaa cgcagtcagt gcttctgaca caacagtctc gaacttaagc 840
221 tgcagtgact ctcttaatta actccaccag tctcacttca gttccttttg cctccaccag 900
222 tctcacttca gttccttttg catgaagagc tcagaatcaa aagaggaaac caaccctaa 960
223 gatgagcttt ccatgtaaat ttgtagccag cttccttctg attttcaatg tttcttccaa 1020
224 aggtgcagtc tccaaagaga ttacgaatgc cttggaaacc tggggtgcct tgggtcagga 1080
225 catcaacttg gacattccta gttttcaaat gagtgatgat attgacgata taaaatggga 1140
226 aaaaacttca gacaagaaaa agattgcaca attcagaaaa gagaaagaga ctttcaagga 1200

```

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/760,897A

DATE: 12/09/2004

TIME: 14:48:18

Input Set : A:\Atx7nrce.app

Output Set: N:\CRF4\12092004\I760897A.raw

```

227 aaaagatata tataagctat ttaaaaatgg aactctgaaa attaagcatc tgaagaccga 1260
228 tgatcaggat atctacaagg tatcaatata tgatacaaaa ggaaaaaatg tgttggaaaa 1320
229 aatatttgat ttgaagattc aagagagggt ctcaaaacca aagatctcct ggacttgat 1380
230 caacacaacc ctgacctgtg aggtaatgaa tggaaactgac cccgaattaa acctgtatca 1440
231 agatgggaaa catctaaaac tttctcagag ggtcatcaca cacaagtgga ccaccagcct 1500
232 gagtgcacaaa ttcaagtgcg cagcagggaa caaagtcagc aaggaatcca gtgtcgagcc 1560
233 tgtcagctgt ccagagaaag ggatcccagg tgagtagggc ccgatccttc tagagtcgag 1620
234 ctctcttaag gtagcaaggt tacaagacag gttaagggag accaatagaa actgggcttg 1680
235 tcgagacaga gaagactctt gcgtttctga taggcaccta ttggtcttac gcggccgca 1740
236 attccaagct tgagtattct atcgtgtcac ctataaact tggcgtaatc atggtcata 1800
237 ctgtttcttg tgtgaaattg ttatccgctc acaattccac acaacatacg agccggaagc 1860
238 ataaagtgtg aagcctgggg tgcctaata gtagagtaac tcacattaat tgcgttgccg 1920
239 gatgcttcca tttgtgagg gttaatgctt cgagaagaca tgataagata cattgatgag 1980
240 tttggacaaa ccacaacaag aatgcagtga aaaaaatgct ttatttgatg aatttgatg 2040
241 gctattgctt tatttgtaac cattataagc tgcaataaac aagttaacaa caacaattgc 2100
242 attcatttta tgtttcaggt tcagggggag atgtgggagg ttttttaaag caagtaaac 2160
243 ctctacaaat gtggtaaaat ccgataagga tcgattccgg agcctgaatg gcgaatggac 2220
244 gcgcctgta gcggcgcat aagcgcgcg ggtgtggtg ttacgcgcac gtgaccgcta 2280
245 cacttgccag gcgcctagcg ccgcctcct tcgctttctt cccttccttt ctgcgccagt 2340
246 tcgcccgtt tccccgtcaa gctctaaatc gggggctccc tttagggttc cgatttagtg 2400
247 ctttacggca cctcgacccc aaaaaacttg attagggtga tgggtcacgt agtgggccat 2460
248 cgccctgata gacggttttt cgccctttga cgttggagtc caggttcttt aatagtggac 2520
249 tcttgttcca aactggaaca acactcaacc ctatctcggt ctattctttt gatttataag 2580
250 ggattttgcc gatttcggcc tattggttaa aaaatgagct gatttaacaa aaatttaacg 2640
251 cgaattttta caaaatatta acgcttaca tttcgctgt gtacctctg aggcggaaag 2700
252 aaccagctgt ggaatgtgtg tcagttaggg tgtggaaagt cccaggctc ccagcaggc 2760
253 agaagtatgc aaagcatgca tctcaattag tcagcaacca ggtgtggaaa gtccccaggc 2820
254 tccccagcag gcagaagtat gcaaagcatg catctcaatt agtcagcaac catagtcccg 2880
255 cccctaactc cgcccatccc gccctaact ccgcccagtt ccgcccattc tccgccccat 2940
256 ggctgactaa ttttttttat ttatgcagag gccgaggccg cctcggcctc tgagctattc 3000
257 cagaagtagt gaggaggctt ttttggaggc ctaggctttt gcaaaaagct tgattcttct 3060
258 gacacaacag tctcgaactt aaggctagag ccaccatgat tgaacaagat ggattgcacg 3120
259 caggttctcc ggccgcttggt gtggagaggc tattcggtca tgactgggca caacagacaa 3180
260 tcggctgctc tgatgccgcc gtgttcgggc tgtcagcgca ggggcgcccg gttctttttg 3240
261 tcaagaccga cctgtccggt gccctgaatg aactgcagga cgaggcagcg cggctatcgt 3300
262 ggctggccac gacgggcgtt ccttgcgcag ctgtgctcga cgttgctact gaagcgggaa 3360
263 gggactggct gctattgggc gaagtgccgg ggcaggatct cctgtcatct caccttgctc 3420
264 ctgccgagaa agtatccatc atggctgatg caatgcggcg gctgcatacg cttgatccgg 3480
265 ctacctgcc attcgaccac caagcgaaac atcgcatcga gcgagcacgt actcggatgg 3540
266 aagccggtct tgtcgatcag gatgatctgg acgaagagca tcaggggctc gcgccagccg 3600
267 aactgttcgc caggctcaag gcgcgcagtc ccgacggcga ggatctcgtc gtgacccatg 3660
268 gcgatgcctg cttgccgaat atcatggtgg aaaatggccg cttttctgga ttcacgact 3720
269 gtggccggct ggggtgtggc gaccgctatc aggacatagc gttggctacc cgtgatattg 3780
270 ctgaagagct tggcggcgaa tgggctgacc gcttcctcgt gctttacggg atcgccgctc 3840
271 ccgattcgca gcgcacgcc ttctatcgcc ttcttgacga gttcttctga gcgggactct 3900
272 ggggttcgaa atgaccgacc aagcgacgcc caacctgcca tcacgatggc cgcaataaaa 3960
273 tatctttatt ttcattacat ctgtgtgttg gttttttgtg tgaagatccg cgtatggtgc 4020
274 actctcagta caatctgctc tgatgccgca tagttaagcc agccccgaca cccgccaaca 4080
275 cccgctgacg cgccctgacg ggcttgtctg ctcccggcat ccgcttacag acaagctgtg 4140

```

RAW SEQUENCE LISTING ERROR SUMMARY DATE: 12/09/2004
PATENT APPLICATION: US/09/760,897A TIME: 14:48:19

Input Set : A:\Atx7nrce.app
Output Set: N:\CRF4\12092004\I760897A.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:10; N Pos. 29,30,31,32
Seq#:21; N Pos. 890,1042
Seq#:22; N Pos. 8347,8499
Seq#:23; N Pos. 8347,8499
Seq#:24; N Pos. 8481,8633
Seq#:25; N Pos. 8670,8822
Seq#:28; N Pos. 8347,8499

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/760,897A

DATE: 12/09/2004

TIME: 14:48:19

Input Set : A:\Atx7nrce.app

Output Set: N:\CRF4\12092004\I760897A.raw

L:436 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10 after pos.:0
L:864 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:21 after pos.:840
M:341 Repeated in SeqNo=21
L:1097 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:22 after pos.:8340
M:341 Repeated in SeqNo=22
L:1278 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:23 after pos.:8340
M:341 Repeated in SeqNo=23
L:1461 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:24 after pos.:8460
M:341 Repeated in SeqNo=24
L:1647 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:25 after pos.:8640
M:341 Repeated in SeqNo=25
L:2062 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:28 after pos.:8340
M:341 Repeated in SeqNo=28